

# Product Information

## **MemDX™ Membrane Protein Human TIE1 (Tyrosine kinase with immunoglobulin like and EGF like domains 1) for Antibody Discovery**

Cat. No.: **MP0139Q**

This product is for research use only and is not intended for diagnostic use.

This product is a 250 kDa Human TIE1 membrane protein expressed in Insect. The protein is for research use only and is not approved for use in humans or in clinical diagnosis.

### Product Specifications

#### **Host Species**

Human

#### **Target Protein**

TIE1

#### **Protein Length**

Full-length

#### **Protein Class**

Druggable Genome, Protein Kinase, Transmembrane

#### **Molecular Weight**

250 kDa

#### **TMD**

1

#### **Sequence**

MWAGAGRGSDAWGPPLLLEKDDRIVRTPPGPPLRLARNGSHQVTLRGFSKPSDLVGVFSCVGGAGARRTRVIYVHNSPGAHLPL

### Product Description

#### **Expression Systems**

Insect

#### **Form**

Powder

#### **Endotoxin**

< 0.1 ng per µg

#### **Purity**

>90% by SDS-PAGE and visualised by silver stain

**Buffer**

PBS without stabilizers

**Storage**

Store at +4°C for up to one week or several months at -80°C

**Target****Target Protein**

TIE1

**Full Name**

Tyrosine kinase with immunoglobulin like and EGF like domains 1

**Introduction**

This gene encodes a member of the tyrosine protein kinase family. The encoded protein plays a critical role in angiogenesis and blood vessel stability by inhibiting angiopoietin 1 signaling through the endothelial receptor tyrosine kinase Tie2. Ectodomain cleavage of the encoded protein relieves inhibition of Tie2 and is mediated by multiple factors including vascular endothelial growth factor. Alternatively spliced transcript variants encoding multiple isoforms have been observed for this gene.

**Alternative Names**

Receptor protein-tyrosine kinase; tyrosine-protein kinase receptor Tie-1; tyrosine kinase with immunoglobulin and epidermal growth factor homology domains 1; JTK14; TIE

**Gene ID**

[7075](#)

**UniProt ID**

[B4DTW8](#)